

Jan. 1892.

Ephemeris of Juno, 1891.

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Ephemeris of Juno near the time of Opposition, 1891; computed from the Corrected Elements published in "Monthly Notices," vol. l., p. 495.

(Communicated by the Superintendent of the "Nautical Almanac.")

At Transit at Greenwich.

Month and Day.	Apparent Right Ascension.			Month and Day.	Apparent Right Ascension.			Apparent Declination.	
	h	m	s		h	m	s		
July 23	21	55	1.85	S. 1° 10' 23.9"	Aug. 22	21	33	31.06	S. 4° 50' 15.5"
24	21	54	31.26	1 14 46.5	23	21	32	42.66	4 59 59.7
25	21	53	59.44	1 19 22.7	24	21	31	54.54	5 9 48.8
26	21	53	26.43	1 24 12.5	25	21	31	6.76	5 19 42.3
27	21	52	52.25	1 29 15.8	26	21	30	19.40	5 29 39.8
28	21	52	16.94	1 34 32.7	27	21	29	32.51	5 39 40.7
29	21	51	40.51	1 40 3.0	28	21	28	46.16	5 49 44.6
30	21	51	2.99	1 45 46.6	29	21	28	0.41	5 59 50.8
31	21	50	24.43	1 51 43.6	30	21	27	15.32	6 9 58.9
Aug. 1	21	49	44.86	1 57 53.7	31	21	26	30.97	6 20 8.2
2	21	49	4.34	2 4 16.7	Sept. 1	21	25	47.41	6 30 18.2
3	21	48	22.91	2 10 52.5	2	21	25	4.70	6 40 28.5
4	21	47	40.59	2 17 41.0	3	21	24	22.90	6 50 38.6
5	21	46	57.45	2 24 41.9	4	21	23	42.10	7 0 47.7
6	21	46	13.54	2 31 54.7	5	21	23	2.31	7 10 55.5
7	21	45	28.90	2 39 19.5	6	21	22	23.60	7 21 1.3
8	21	44	43.59	2 46 55.8	7	21	21	46.03	7 31 4.8
9	21	43	57.66	2 54 43.3	8	21	21	9.66	7 41 5.5
10	21	43	11.18	3 2 41.8	9	21	20	34.51	7 51 2.9
11	21	42	24.19	3 10 50.9	10	21	20	0.65	8 0 56.5
12	21	41	36.76	3 19 10.2	11	21	19	28.11	8 10 45.8
13	21	40	48.94	3 27 39.3	12	21	18	56.94	8 20 30.5
14	21	40	0.79	3 36 17.9	13	21	18	27.17	8 30 10.2
15	21	39	12.37	3 45 5.4	14	21	17	58.83	8 39 44.3
16	21	38	23.75	3 54 1.6	15	21	17	31.97	8 49 12.6
17	21	37	34.99	4 3 6.1	16	21	17	6.62	8 58 34.8
18	21	36	46.15	4 12 18.3	17	21	16	42.80	9 7 50.5
19	21	35	57.26	4 21 37.8	18	21	16	20.53	9 16 59.4
20	21	35	8.42	4 31 4.2	19	21	15	59.85	9 26 1.1
21	21	34	19.66	S. 4 40 36.9	20	21	15	40.76	S. 9 34 55.4

Month and Day.	Apparent Right Ascension.	Apparent Declination.	Month and Day.	Apparent Right Ascension.	Apparent Declination.
	h m s	° ' "		h m s	° ' "
Sept. 21	21 15 23.30	S. 9 43 42.0	Oct. 20	21 19 32.05	S. 12 47 38.8
22	21 15 7.48	9 52 20.7	21	21 20 6.31	12 51 17.7
23	21 14 53.34	10 0 51.1	22	21 20 42.16	12 54 45.6
24	21 14 40.88	10 9 13.0	23	21 21 19.58	12 58 2.5
25	21 14 30.12	10 17 26.1	24	21 21 58.57	13 1 8.4
26	21 14 21.08	10 25 30.2	25	21 22 39.10	13 4 3.3
27	21 14 13.78	10 33 25.1	26	21 23 21.16	13 6 47.2
28	21 14 8.24	10 41 10.5	27	21 24 4.74	13 9 20.1
29	21 14 4.45	10 48 46.2	28	21 24 49.82	13 11 42.1
30	21 14 2.43	10 56 12.1	29	21 25 36.39	13 13 53.1
Oct. 1	21 14 2.18	11 3 28.0	30	21 26 24.42	13 15 53.2
2	21 14 3.73	11 10 33.8	31	21 27 13.90	13 17 42.4
3	21 14 7.05	11 17 29.4	Nov. 1	21 28 4.81	13 19 20.9
4	21 14 12.17	11 24 14.4	2	21 28 57.13	13 20 48.4
5	21 14 19.08	11 30 49.0	3	21 29 50.84	13 22 5.4
6	21 14 27.76	11 37 13.0	4	21 30 45.92	13 23 11.5
7	21 14 38.24	11 43 26.1	5	21 31 42.35	13 24 7.2
8	21 14 50.49	11 49 28.6	6	21 32 40.12	13 24 52.2
9	21 15 4.50	11 55 20.1	7	21 33 39.19	13 25 26.9
10	21 15 20.28	12 1 0.6	8	21 34 39.56	13 25 51.2
11	21 15 37.81	12 6 30.1	9	21 35 41.18	13 26 5.0
12	21 15 57.07	12 11 48.7	10	21 36 44.06	13 26 8.5
13	21 16 18.06	12 16 56.2	11	21 37 48.15	13 26 1.8
14	21 16 40.76	12 21 52.7	12	21 38 53.44	13 25 45.0
15	21 17 5.16	12 26 38.2	13	21 39 59.91	13 25 18.0
16	21 17 31.24	12 31 12.4	14	21 41 7.55	13 24 41.2
17	21 17 58.98	12 35 35.6	15	21 42 16.32	13 23 54.4
18	21 18 28.37	12 39 47.7	16	21 43 26.21	S. 13 22 57.7
19	21 18 59.40	S. 12 43 48.8			

"Nautical Almanac" Office,
3 Verulam Buildings, Gray's Inn, W.C.:
1892 January 8.

Jan. 1892.

Mr. Marth, Satellites of Saturn.

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Ephemerides of the Satellites of Saturn, 1891-92. By A. Marth.

(Continued.)

The following are continuations of the Tables explained on pp. 566, ff. of vol. li. :—

Greenwich Noon.	P	L	Diff.	B	<i>B</i>	$\Delta - L$	Long. of h 's Central Mer.
Mar. 2	355°832	179°086	131	+ 2°451	+ 1°926	- 1°543	94°36
4	.819	178°955	133	2°378	1°956	1°351	342°12
6	.806	178°822	135	2°304	1°987	1°157	229°88
8	.793	178°687	137	2°230	2°017	0°961	117°63
10	.779	178°550	137	2°155	2°047	0°764	5°38
12	355°766	178°413	138	+ 2°080	+ 2°078	- 0°566	253°13
14	.752	178°275	139	2°005	2°108	- 0°367	140°87
16	.739	178°136	139	1°930	2°139	- 0°168	28°61
18	.725	177°997	139	1°855	2°169	+ 0°032	276°35
20	.711	177°858	139	1°781	2°199	+ 0°231	164°08
22	355°698	177°719	138	+ 1°707	+ 2°230	+ 0°430	51°81
24	.684	177°581	137	1°634	2°260	0°629	299°53
26	.671	177°444	135	1°561	2°290	0°827	187°25
28	.658	177°309	134	1°490	2°321	1°023	74°96
30	.645	177°175	133	1°420	2°351	1°218	322°67
Apr. 1	355°632	177°042	130	+ 1°352	+ 2°381	+ 1°411	210°37
3	.619	176°912	127	1°285	2°412	1°601	98°06
5	.607	176°785	125	1°220	2°442	1°789	345°74
7	.595	176°660	122	1°156	2°472	1°975	233°42
9	.583	176°538	118	1°094	2°503	2°157	121°09
11	355°571	176°420	115	+ 1°035	+ 2°533	+ 2°336	8°75
13	.560	176°305	112	0°977	2°563	2°512	256°41
15	.549	176°193	108	0°922	2°594	2°684	144°06
17	.539	176°085	103	0°869	2°624	2°852	31°70
19	.529	175°982	99	0°819	2°654	3°017	279°33
21	355°520	175°883	95	+ 0°771	+ 2°684	+ 3°177	166°95
23	.511	.788	91	0°726	2°715	3°332	54°57
25	.502	.697	85	0°683	2°745	3°483	302°18
27	.494	.612	80	0°643	2°775	3°629	189°78
29	.486	.532	75	0°606	2°805	3°770	77°37